

19980509.qrp v01_n086.qrs.980509

Date: Sat, 9 May 1998 19:03:12 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 1086

QRP-L Digest 1086

Topics covered in this issue include:

- 1) [10530] Answers, but no questions...
by KC5TJA <kc5tja@topaz.axisinternet.com>
- 2) [10531]
by Tellefsen Bob-CNSE97 <cse97@lmpsilo2.comm.mot.com>
- 3) [10532] Re: NW20, MUF, RR mobile
by Tellefsen Bob-CNSE97 <cse97@lmpsilo2.comm.mot.com>
- 4) [10533] Re: RTTY & FT840
by "CHARLES LESKIE" <CLESKIE@um-f1.umd.umich.edu>
- 5) [10534] small speakers
by Jim Sweeden@beavton.k12.or.us (Jim Sweeden)
- 6) [10535] New NorCal Prototype #1 works!!
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
- 7) [10536] Octopus (Curve Tracer online)
by Richard Brittingham <rbritt@visi.net>
- 8) [10537] The 'OLGA'
by Dick G0BPS <G0BPS@kanga.demon.co.uk>
- 9) [10538] Re: The 'OLGA'
by Paul Harden <pharden@aoc.nrao.edu>
- 10) [10539] WTB: xtals
by cjayheff@erols.com (C. Jay Heffner)
- 11) [10540] SOLAR Weekend Report
by Paul Harden <pharden@aoc.nrao.edu>
- 12) [10541] Re: ARRL & QRP
by "Marshall Emm" <mgemm@mtechnologies.com>
- 13) [10542] Re: RTTY & FT840
by Bob Edwards <w4ed@flash.net>
- 14) [10543] Voltage at Ends of Dipole
by Frank Kienast <fgk@iquest.net>
- 15) [10544] Re: Answers, but no questions...
by Ed <edn4pk@VoyagerOnline.net>
- 16) [10545] RE: Antenna simulators
by "Prof.Arnaldo Coro Antich" <inforhc@mail.infocom.etecsa.cu>
- 17) [10546] 1254 errors
by Ron Giuntini <rong@slip.net>
- 18) [10547] QRPp page 26 ST. LOUIS LOOP???
by "William R. (Ray) Colbert" <af852@rgfn.epcc.edu>
- 19) [10548] Re: Ft. Tuthill?

- by Jack Parker <Pparker@greatbasin.net>
- 20) [10549] Re: Ft Tuthill Hamfest - QRP section
by Bob Hightower <ki7mn@dancris.com>
- 21) [10550] Re Receivers -- Get an HQ
by MNHopkins <MNHopkins@aol.com>
- 22) [10551] Re: Voltage at Ends of Dipole
by Richard Brittingham <rbritt@visi.net>
- 23) [10552] Capacitor ID'ing and Substitution Question
by SNickrand <SNickrand@aol.com>
- 24) [10553] Re: Ft. Tuthill ?
by wa5whn@juno.com
- 25) [10554] Re: The 'OLGA'
by Monte Stark <ku7y@dri.edu>
- 26) [10555] Re: Ft. Tuthill?
by Bruce Grubbs <bog@flagstaff.az.us>
- 27) [10556] Re: ARRL & QRP
by Monte Stark <ku7y@dri.edu>
- 28) [10557] Info about the Quarterly
by Monte Stark <ku7y@dri.edu>
- 29) [10558] A Picture of Me??
by Monte Stark <ku7y@dri.edu>
- 30) [10559] Dayton: New Kits Advert - G-QRP CLUB
by Dick G0BPS <g0bps@kanga.demon.co.uk>
- 31) [10560] Re: DX versus RX?
by Chuck Carpenter <w5usj@webwide.net>
- 32) [10561] Gel Cells Redux
by Wb4jjj <Wb4jjj@aol.com>
- 33) [10562] Re: Low speed CW bandwidth.
by kf2ew@juno.com (David M Kopacki, Sr.)
- 34) [10563] CW vs SSB Power
by Chuck Carpenter <w5usj@webwide.net>
- 35) [10564] Weak Signal Sending
by macstein@cftnet.com (Mac Steinmeyer)
- 36) [10565] New Links from my home page & some news
by ke3fl@juno.com
- 37) [10566] Re: New NWQRP Contest
by Bill Todd <bill@willapabay.org>
- 38) [10567] RE: Weak signal sending
by "Prof.Arnaldo Coro Antich" <inforhc@mail.infocom.etecsa.cu>
- 39) [10568] QRP ARCI net
by kq0i@juno.com (Mark R Milburn)
- 40) [10569] Elmer 101: Late VFO question
by penzo@juno.com (Michael A Penzo)
- 41) [10570] Re: Capacitor ID'ing and Substitution
by Ed Tanton <n4xy@att.net>
- 42) [10571] Re: The 'OLGA'
by Bruce Rattray <rattray@gpfn.sk.ca>
- 43) [10572] N4BP Web Page

- by Bob Patten <n4bp@bc.seflin.org>
44) [10573] Dayton Weather Update
by Shepherd <Shepherd@aol.com>
45) [10574] Mistake in Octopus URL
by Richard Brittingham <rbritt@visi.net>
46) [10575] Toroid Tap
by Willie Martin <71052.134@compuserve.com>
47) [10576] Mobile/Handicapped CW Using Voice "Di-Dah" Converter ???
by Jim Dolson <jdolson@iserv.net>
48) [10577] Re: A Picture of Me??
by "Rud Merriam" <rmerriam@csi.com>
49) [10578] HELP: Triplet VOM
by sigcom@juno.com (Stephen M Smith)
50) [10579] Re: Weak Signal Sending
by "Marshall Emm" <mgemm@mtechnologies.com>

Date: Fri, 8 May 1998 13:23:25 -0700 (PDT)
From: KC5TJA <kc5tja@topaz.axisinternet.com>
To: qrp-l@lehigh.edu
Subject: [10530] Answers, but no questions...
Message-ID: <Pine.LNX.3.96.980508132043.11596C-100000@topaz.axisinternet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Sometimes, on this list, I get messages that have subject headings of Re: XYZ, and sure enough, there'd be an answer to someone's question. But I'd never see the actual question post...

Is this normal? It doesn't happen very often, but I was just loafing..er...working here at work, and I realized it as soon as I saw the thread on bidirectional antennae...I never saw the original question! :D

(Please don't repost the original question -- I know nothing about "bidirectional antennae" configurations, other than a dipole... :-)).

Just wondering.... :D

=====

KC5TJA/6		- TEAM DOLPHIN -
DM13		Samuel A. Falvo II
QRP-L #1447		http://www.dolphin.openprojects.net

Date: Fri, 8 May 1998 15:49:28 -0500
From: Tellefsen Bob-CNSE97 <cnse97@lmpsilo2.comm.mot.com>
To: grudin@pacific.vdbs.com
Cc: QRP-L list <QRP-L@lehigh.edu>
Message-ID: <E726B6D1F2C7D1119AB900805FA74B3C1E8767@s-il02-n.comm.mot.com>
MIME-Version: 1.0
Content-Type: text/plain

Jeff:

I haven't seen anyone else mention this, so I'll pitch it in for free :-)

According to something I read somewhere, might even have been here on QRP-L some time back, this notation evolved as a way of easing the problem of crowding text information onto schematic diagrams. The idea is to convey as much information as possible in as few characters as possible. In a tight diagram, even 3k3 takes up a bit less room than 3.3K. And so on.

72, Bob N6

>Resistors:
> >3k3 = 3.3K?
> >1k = 1.0K?
> >100R= 100ohm?
> >
> >Caps:
> >1n0 = .001 uf?

Date: Fri, 8 May 1998 16:04:45 -0500
From: Tellefsen Bob-CNSE97 <cnse97@lmpsilo2.comm.mot.com>
To: whalen@swcp.com
Cc: QRP-L list <QRP-L@lehigh.edu>
Subject: [10532] Re: NW20, MUF, RR mobile
Message-ID: <E726B6D1F2C7D1119AB900805FA74B3C1E877E@s-il02-n.comm.mot.com>
MIME-Version: 1.0
Content-Type: text/plain

Tom:

I have done a lot of modeling trying to solve a problem similar to yours. In my case, I was trying to keep 40m ssb above 7.150 out of my cw station below 7.100. This was for a Field Day installation.

I found that I could do it on paper, but the coil Q became very high, around 300 or so. This isn't too bad at 40m, but you will probably need

an air core, space wound coil to do it on 20m. There are some programs around that will let you try different coil configurations until you get the inductance and Q that you need.

Come to think of it, your need is more demanding than mine. You are looking for the same kind of signal spacing as me, but at twice the frequency. So, higher Q yet will be needed. The reason for the high Q is to allow a deep notch at the parallel tuned frequency, while passing your desired frequency with little attenuation.

73, Bob N6WG

Date: Fri, 8 May 1998 16:19:02 EST5EDT
From: "CHARLES LESKIE" <CLESKIE@um-f1.umd.umich.edu>
To: qrp-l@Lehigh.EDU
Subject: [10533] Re: RTTY & FT840
Message-ID: <3D070FE7C23@um-f1.umd.umich.edu>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

> Date sent: Fri, 8 May 1998 10:35:53 -0500
> Send reply to: kreinbd@ccgate.dl.nec.com
> From: kreinbd@ccgate.dl.nec.com (David Kreinberg)
> To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
> Subject: RTTY & FT840
> Originally to: qrp-l@lehigh.edu

Never tried it but I have an 840 and the manual says it can be done. It seems that it might be a problem having to go through the stock ssb filter. You might want to consider an outboard DSP. to vary your bandwidth. It would seem that this would help, but I'm no expert on rtty

Chuck KG8ZH

> > Happy Solar Stormy Week, folks. >
> Has anyone had any luck doing RTTY with the
> Yaesu FT-840?
>
> I would like to pick up a TNC, or soundblaster
> software to do this. I'll be using a COMPAQ
> 486/66MHz/Win3.10 PC for this.

>
> I'm really interested in getting into RTTY
> soon. Any help/pointers would be of value.
>
> TIA.
>
> 73 de Dave NR3E
> QRP-L #25
> nr Dallas, TX
>
>

Date: Fri, 08 May 1998 14:13:53 -0700
From: Jim_Sweeden@beavton.k12.or.us (Jim Sweeden)
To: qrp-l@Lehigh.EDU
Subject: [10534] small speakers
Message-ID: <fc.000f47cb005ebb85000f47cb005ebb85.5ebd0e@beavton.k12.or.us>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I once again have some of the small speakers salvaged from Mac PowerBook computers available for all you home brew people out there. These are 8 ohm mylar units at 0.2w, 0.17" thick and 1.1" in diameter. The last time I offered these I let them go in groups of three for \$2 and a SSAE but the post office didn't like me sending them in standard business envelopes. So this time lets say \$4 for a group of three and I will supply the envelop and postage for any where in the US and Canada. Please e-mail me direct to reserve some of these great speakers. Don't worry about the PowerBooks, we aren't junking them out, it's just that we get new speakers with each display bezel that we replace. With the "PowerBook Mod" that we are installing with each replacement, we are seeing fewer and fewer with damaged displays. If you have any questions please let me know.

72, James
KB7LJP

Date: Fri, 8 May 1998 14:45:16 -0700
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: <qrp-l@lehigh.edu>
Subject: [10535] New NorCal Prototype #1 works!!

Message-ID: <01bd7aca\$96d89240\$630a0d0a@doug.dpol.k12.ca.us>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I received email today informing me that prototype #1 of the New NorCal Project is now working with just a few minor tweakings of the board and layout. This is exciting news as you never know what is going to happen when you take a project from perfboard to circuitboard layout. The cases came in yesterday from Doug Hauff, and they are absolutely mind boggling.

Mike Gipe also came up with a good idea. Since there are many, many NorCal members in the bay area, we are going to leave one of the Prototypes with Mike, and he will unveil it simultaneously with the unveiling in Dayton. Mike is talking about having a Pizza get together, and I will leave the details for him to post.

Walt Amos emailed me with a request that also makes a lot of sense. There are several of you on the list who just have email accounts and cannot access the NorCal Web Page, so, we will try and upload the announcement to QRP-L at the same time as we do to the NorCal page. Of course this one will not have pictures.

Things are coming together very nicely. Last week at this time the board layout was not even finished, and now we have a working prototype, and hopefully by the end of the weekend, we will have 4 fully functional units.

I soldered in 85 more parts last night, and am about 1/2 done. It is very slow going when you do not have a silkscreen on the board. But, the more parts that I get on the board, the more land marks that I have and the easier it is to find my way around.

This project involves several club members and is a true club project. The members of the "team" are:

Jim Cates, WA6GER
Gary Diana, N2JGU
George Dobbs, G3RJV
Dave Fifield, AD6AY
Richard Fisher, nu6SN
Mike Gipe, K1MG
Paul Harden, NA5N
Doug Hauff, KC6RIE
Doug Hendricks, KI6DS
Bill Jones, KD7S
Brad Mitchell, WB8YYG
Jerry Parker, WA6OWR

All were selected because of their expertise in an area needed for the success of the project. You don't want to know the total number of hours in this one, but it is very substantial, and we are not finished. What you will see at Dayton is a functional unit, but it is not the final product by a long shot. We are building 4 prototypes of the first layout, and have several bugs already identified. The list grows as we build. The next round will see all of the known problems corrected, and then see if any new ones arise. We will build another round of 4 for the second run, and then a third run of 2 to check out everything before the final production run. The time table is such that we will test the rigs the rest of May, do the second run in June, and hopefully the final prototype run in July. This project is not being hurried, and it will be done right. I think that you will be pleased a week from tonight when you see it.

72, Doug, KI6DS

Date: Fri, 8 May 1998 17:45:20 -0400 (EDT)
From: Richard Brittingham <rbritt@visi.net>
To: Claton Cadmus <applitech@mcg.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [10536] Octopus (Curve Tracer online)
Message-ID: <Pine.GS0.3.96.980508174000.3283E-100000@ankara.visi.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

The info the Octopus is now online.

www.btinternet.com/~g4wif/gqrp.html

Thanks to Tony G4WIF for redrawing the schematic and for posting the info.

If you want for info on operating it, my address is on the page. Please don't directly respond thru the list to cut down on traffic.

If I get a lot of responses, I'll answer them at once thru the list.

Thanks and hope you enjoy the circuit.

PS - It's called an octopus because it used to connect to an audio oscillator instead of a 60 HZ transformer. It has lots of leads. 2 to the scope, 2 probes and 2 to the audio generator. Like an octopus.

You can substitute an audio generator in place of the 3 volt ac signal from

the transformer but the values will need to be experimented with (I didn't try it myself). I bought all the parts from Radio Shack for about \$20 including the plastic box.

73

Richard W4MCD

Amateur Radio Operator as WD4AEF for 22 years
Now Vanity Call is W4MCD

Date: Fri, 8 May 1998 15:17:45 +0100
From: Dick G0BPS <G0BPS@kanga.demon.co.uk>
To: pharden@aoc.nrao.edu
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [10537] The 'OLGA'
Message-ID: <TCi5+oAJQxU1EwfM@kanga.demon.co.uk>
MIME-Version: 1.0

> I
>bet the ARCI Banquet won't have an "Olga."!
>

I could bring my wife... ((:^)

TTFN de ..

--

Dick Pascoe G0BPS
Kanga Products
Seaview House, Crete Road East
Folkestone CT18 7EG U.K.
Tel 44 (0) 1303 891106
<http://www.kanga.demon.co.uk>

Date: Fri, 8 May 1998 16:18:31 -0600 (MDT)
From: Paul Harden <pharden@aoc.nrao.edu>

To: Dick G0BPS <G0BPS@kanga.demon.co.uk>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [10538] Re: The 'OLGA'
Message-ID: <Pine.SOL.3.91.980508161506.1755A-100000@zia>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 8 May 1998, Dick G0BPS wrote:
> >bet the ARCI Banquet won't have an "Olga."!
>
> I could bring my wife... ((:^)

Ooooh! I'm saving this one on a floppy backup. Gotta be ten years worth of blackmail out of a statement like that!

Having fun at Dayton yet?

72, Paul NA5N

Date: Fri, 8 May 1998 18:22:42 -0400 (EDT)
From: cjayheff@erols.com (C. Jay Heffner)
To: qrp-l@Lehigh.EDU
Subject: [10539] WTB: xtals
Message-ID: <v01520d01b178fe6d2b35@[207.172.109.139]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I am looking for xtals in the general portions of the following
Bands: 80, 40, 20, 15. Preferably around the QRP calling freq, but anything
btween .025 and .040 will work. TNX!

73/72,
Craig, KF4NYZ (aka, The Young'un)
FISTS# 3904
QRP-L# 1544
10-10# 67657

Date: Fri, 8 May 1998 16:57:16 -0600 (MDT)
From: Paul Harden <pharden@aoc.nrao.edu>
To: qrp-1@lehigh.edu
Subject: [10540] SOLAR Weekend Report
Message-ID: <Pine.SOL.3.91.980508164502.2570A-100000@zia>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

There were 3 more M-class flares today, but that will not effect us on earth until monday. The geomagnetic field is unsettled to active, which will cause little problems to HF communications. The shock wave from the large CME wednesday has not arrived, and appears to have missed the earth. Solar flux is 118, not great, but sufficient for decent skip propagation on the higher bands inspite of the moderate geomagnetic noise.

In short, QRP work over the weekend should be fairly good, with the exception of short periods of elevated noise levels or "splashy" noise. Skip will be best on 20M and above, the noise worst on 20M and below. Your mileage may differ :-)

> JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
> SDF NUMBER 128 ISSUED AT 2200Z ON 08 MAY 1998

> IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 07/2100Z
> TO 08/2100Z: SOLAR ACTIVITY WAS MODERATE. THREE M-CLASS EVENTS
> OCCURRED OVER THE LAST 24 HOURS: AN M3 AT 0204Z (WITH TYPE II/IV
> SWEEPS), AND M1 AT 0608Z (WITH TYPE II/IV), AND AN M1 AT 1415Z.

> THERE IS A FAIR CHANCE FOR AN ISOLATED M-CLASS EVENT FROM
> EITHER REGION 8214 OR 8218.

> IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 07/2100Z TO 08/2100Z:
> THE GEOMAGNETIC FIELD WAS PREDOMINANTLY ACTIVE DURING THE PAST 24
> HOURS. THERE WERE SOME PERIODS OF MINOR STORM LEVELS AT HIGH
> LATITUDES, PARTICULARLY AROUND 07/2100-08/0200Z AND FROM
> 08/1500-08/1700Z. THE DISTURBANCE BEGAN GRADUALLY: THERE WAS NO CLEAR
> INDICATOR OF THE ARRIVAL OF A SHOCK AT L1 OR EARTH.

> IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS
> EXPECTED TO BE UNSETTLED TO ACTIVE FOR THE NEXT 24 HOURS.
> PERSISTENCE FROM THE CURRENT DISTURBANCE MAY CAUSE SOME LOCAL
> NIGHTTIME SUBSTORM EFFECTS. PREDOMINANTLY UNSETTLED LEVELS ARE
> EXPECTED FOR THE SECOND AND THIRD DAYS.

> IV. PENTICTON 10.7 CM FLUX
> OBSERVED 08 MAY 118
> PREDICTED 09 MAY-11 MAY 115/110/105

> 90 DAY MEAN 08 MAY 107

> V. GEOMAGNETIC A INDICES

> OBSERVED AFR/AP 07 MAY 010/013

> ESTIMATED AFR/AP 08 MAY 025/020

> PREDICTED AFR/AP 09 MAY-11 MAY 015/015-010/015-010/015

 ^^^^^ ^^^^^ ^^^^^

 Sat. Sun. Mon.

An A-Index of 15 is merely "unsettled" conditions.

Enjoy the weekend,
Paul NA5N

-----NATIONAL RADIO ASTRONOMY OBSERVATORY ----- Socorro, New Mexico -----

| VLA - Very Large Array Observatory - Worlds largest radio telescope |

| VLBA - Very Long Baseline Array - even larger |

------(pharden@zia.aoc.nrao.edu) --- (73 de NA5N) -----

Date: Fri, 8 May 1998 17:14:01 -0600

From: "Marshall Emm" <mgemm@mtechnologies.com>

To: Monte Stark <ku7y@dri.edu>, qrp-1@lehigh.edu

Cc: cqcm@mtechnologies.com

Subject: [10541] Re: ARRL & QRP

Message-ID: <199805082313.RAA08354@edison.chisp.net>

MIME-Version: 1.0

Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7BIT

Hi, Ron es gang--

>>So I guess the real question is.... if the establishment
thinks the two modes are equal, why do we want to give
SSB a 3 db advantage in a contest?
<<

Well, what's an establishment? As with any other part of the hobby,
the League should respect the wishes of those who are involved in it,
so I think I'd say WE (active QRPers) are the establishment.

As for the advantage, I've seen people quoting an advantage of up to
18dB or more for CW. Any such figure is of course just conjecture,

but in practice we all know and benefit from the fact that CW does have a very significant advantage over SSB. As a mode SSB is pretty inefficient (unless you compare it to say AM or FM). If you assume a reasonable best case of average power being half of PEP then increasing the average to 5w (or PEP to 10W) is not giving SSB any advantage over CW at all-- it will still be at a disadvantage. And btw because of several other technical considerations this argument in respect of QRP has no relevance when it comes to legal power limits. Saying it's unfair that a CW op can use his power more efficiently is no different from saying it's unfair that the SSB op can hear the other guy's voice. There is simply no argument there!

My two main points are:

1. For whatever reasons major QRP organizations (representing the majority of QRPers) say 10PEP (or 5 Avg), and if the ARRL followed suit then we'd all be on the same page.
2. I think it would be a lot easier to convince people to try QRP SSB if we didn't force them to work with one hand tied behind their back, in a manner of speaking. That's the main reason for CQC's adoption of the 5W average definition for QRP.

So anyhow I don't want to start another huge thread on the subject, let's just vote. Hands up if you think QRP SSB should be 10W(PEP) or less.

73

Marshall Emm

N1FN/VK5FN

n1fn@mtechnologies.com

Milestone Technologies

Software, kits, tools...

<http://www.mtechnologies.com>

(303)752-3382

--

Date: Fri, 08 May 1998 16:31:22 -0400

From: Bob Edwards <w4ed@flash.net>

To: kreinbd@ccgate.dl.nec.com

Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>

Subject: [10542] Re: RTTY & FT840

Message-ID: <35536B9A.D64C9F3A@flash.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

David Kreinberg wrote:

> Has anyone had any luck doing RTTY with the
> Yaesu FT-840?

Yes, plenty, I use BTL 1.54c on my FT-840 and a 133 mhz 586 PC,
20 mb ram, Win95, and SB-16 PnP. Added a step down isolation
transformer from SB-16 output to FT_840 mic input. This audio
cable is wound around a ferrite rod to keep RF out of mic input.

Have had good luck with this combo - I use it on 14.085 mhz
and USAF MARS. Both need different settings and that is part
of the fun of learning a new (QRP) mode. I'm new at it too.

My biggest hurdle was learning to pick a RTTY signal over
any other type digital signal by its sound. Now it is easy.

The registerd version drives PTT, which simplifies operation.

There is a free demo version (1.5.1) at :

<http://www.geocities.com/SiliconValley/Heights/4477/index.html>

Good luck & let us know your progress.

--

Bob 72/73

<http://www.qsl.net/w4ed>

W4ED nr Atlanta @EM73wt

...."QRP", more from less....

```
      /|
     / |
    /  | \
   /| / E | \
  /_|/____|__\
 [ \-===== /
```

~~~~~  
Date: Fri, 08 May 1998 19:38:56 -0500  
From: Frank Kienast <fgk@iquest.net>  
To: qrp-l@lehigh.edu  
Subject: [10543] Voltage at Ends of Dipole  
Message-ID: <3553A5A0.1221@iquest.net>  
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi all,

I've read in several different places warnings that the ends of dipole should be insulated and located where no one can touch them, even at QRP power levels. Presumably, high voltages are developed at the ends of a dipole. But just how high would these voltages be at QRP levels? Clearly, the feed voltages are not high at QRP power levels. At 5 watts, assuming a resistance of 50 ohms, the RMS voltage at the feedpoint would be  $\sqrt{50 \times 5}$ , or around 16 volts. How would I calculate voltage at the ends of the dipole?

Also, there are many references to "RF burns" from touching an antenna. Would these be actual heat burns due to power, or does this really refer to an electric shock? Is this a danger at QRP levels? At QRPp levels?

73,  
Frank Kienast  
KB9QEI

-----  
Date: Fri, 08 May 1998 21:26:09 -0400  
From: Ed <edn4pk@VoyagerOnline.net>  
To: kc5tja@topaz.axisinternet.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [10544] Re: Answers, but no questions...  
Message-ID: <3553B0B1.9679C7BB@VoyagerOnline.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Well, the reason you don't see the original message especially from me is that I unchecked the option to quote the original post. Seems that in a group as large as ours and the number of posts it is quite easy to miss the original and then not have a clue to the re:...Simple huh?? hihihehe  
Who was the wizard that ever thought of this ??? Must been a CB'er  
Ed N4PK

-----  
Date: Fri, 8 May 1998 21:41:22 -0300  
From: "Prof.Arnaldo Coro Antich" <inforhc@mail.infocom.etecsa.cu>

To: <qrp-1@Lehigh.EDU>  
Subject: [10545] RE: Antenna simulators  
Message-ID: <01bd7ae3\$306174a0\$07199e03@luis>  
MIME-Version: 1.0  
Content-Type: multipart/alternative;  
boundary="-----\_NextPart\_000\_00AB\_01BD7ACA.0B143CA0"

This is a multi-part message in MIME format.

-----\_NextPart\_000\_00AB\_01BD7ACA.0B143CA0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable

Antenna simulators : Part II

The reason for having the three elements R, L and C variable is =  
obvious...

You can "enjoy" a 1.5 to 1 SWR into a 50 ohm line with a purely =  
resistive

impedance in two different values, and I am sure most of you on the list  
are aware of this fact !

Then you can "enjoy" the same 1.5 to 1 SWR ( I choose this value because  
most everybody thinks that a NICE solid state final would not be angry =  
with

that SWR ) with different values of INDUCTIVE or CAPACITIVE REACTANCE !

My simulator takes care of every possible condition...

I can change the R ( always using non inductive resistors of course ! ) =  
all the

way from 10 ohms to 200 ohms, Then my LOW INDUCTANCE variable

capacitor can go from about 8 or 9 pF minimum to 200 pF maximum ( that =  
is

a real world component not the ones in the basic electronics texts ...)

My variable inductor is an off the shelf component, which I had to use, =  
because

I dont have the facilities to make it the way I want... but anyway, I =  
also have

calibrated, well calibrated inductors for 1 uHy, 3 uHy , 5 uHy etc that =  
have

less capacitance than the easier to use variable inductor.

My Ten Tech 540 rig is a good example of how a solid state final behaves  
under reactive loads... and Ten Tech did a good job to explain in the =  
manual

that a 2 to 1 SWR is not the same everytime, due to the fact that there =  
are

TWO possible 2 to 1 's ....

One final comment: The circuit of the antenna simulator, more properly =  
my

antenna + transmission line simulator, must be assembled carefully so =



that  
stray capacitances and inductances are at a real minimum.  
It is a nice instrument to have available, and I enjoy demonstrating to =  
newcomers  
to the hobby the effects of SWR etc in a practical way using it.  
72 and DX  
Arnie  
C02KK

-----=\_NextPart\_000\_00AB\_01BD7ACA.0B143CA0

Content-Type: text/html;  
charset="iso-8859-1"

Content-Transfer-Encoding: quoted-printable

<!DOCTYPE HTML PUBLIC "-//W3C//DTD W3 HTML//EN">

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http-equiv=3DContent-Type>

<META content=3D'"MSHTML 4.71.1712.3"' name=3DGENERATOR>

</HEAD>

<BODY bgcolor=3D#ffffff>

<DIV><FONT color=3D#000000>Antenna simulators : Part II</FONT></DIV>

<DIV><FONT color=3D#000000></FONT>The reason for having the three =  
elements R, L=20

and C variable is obvious...&nbsp;</DIV>

<DIV>You can &quot;enjoy&quot; a 1.5 to 1 SWR into a 50 ohm line with a =  
purely=20

resistive</DIV>

<DIV>impedance in two different values, and I am sure most of you on the =

list</DIV>

<DIV>are aware of this fact !</DIV>

<DIV>Then you can &quot;enjoy&quot; the same 1.5 to 1 SWR ( I choose =  
this value=20

because</DIV>

<DIV>most everybody thinks that a NICE solid state final would not be =  
angry=20

with</DIV>

<DIV>that SWR ) with different values of INDUCTIVE or CAPACITIVE =  
REACTANCE=20

!</DIV>

<DIV>My simulator takes care of every possible condition...</DIV>

<DIV>I can change the R ( always using non inductive resistors of course =  
! ) all=20

the</DIV>

<DIV>way from 10 ohms to 200 ohms, Then my LOW INDUCTANCE variable</DIV>  
<DIV>capacitor can go from about 8 or 9 pF minimum to 200 pF maximum ( =  
that=20  
is</DIV>  
<DIV>a real world component not the ones in the basic electronics texts=20  
...)</DIV>  
<DIV>My variable inductor is an off the shelf component, which I had to =  
use,=20  
because</DIV>  
<DIV>I dont have the facilities to make it the way I want... but anyway, =  
I also=20  
have</DIV>  
<DIV>calibrated, well calibrated inductors for 1 uHy, 3 uHy , 5 uHy etc =  
that=20  
have</DIV>  
<DIV>less capacitance than the easier to use variable inductor.</DIV>  
<DIV>My Ten Tech 540 rig is a good example of how a solid state final=20  
behaves</DIV>  
<DIV>under reactive loads... and Ten Tech did a good job to explain in =  
the=20  
manual</DIV>  
<DIV>that a 2 to 1 SWR is not the same everytime, due to the fact that =  
there=20  
are</DIV>  
<DIV>Two possible 2 to 1 's ....</DIV>  
<DIV>One final comment: The circuit of the antenna simulator, more =  
properly=20  
my</DIV>  
<DIV>antenna + transmission line simulator, must be assembled carefully =  
so=20  
that</DIV>  
<DIV>stray capacitances and inductances are at a real minimum.</DIV>  
<DIV>It is a nice instrument to have available, and I enjoy demonstrating =  
to=20  
newcomers</DIV>  
<DIV>to the hobby the effects of SWR etc in a practical way using =  
it.</DIV>  
<DIV><FONT size=3D2>72 and DX</FONT></DIV>  
<DIV><FONT size=3D2>Arnie</FONT>&nbsp;</DIV>  
<DIV><FONT size=3D2>C02KK</FONT>&nbsp;</DIV>  
<DIV>&nbsp;</DIV></BODY></HTML>

-----=\_NextPart\_000\_00AB\_01BD7ACA.0B143CA0--

-----

Date: Fri, 08 May 1998 18:47:18 -0700  
From: Ron Giuntini <rong@slip.net>  
To: QRP-L@Lehigh.EDU  
Subject: [10546] 1254 errors  
Message-ID: <3553B5A6.1D32@slip.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I have arrived at the point when I install L14, and although it is listed as a 27 uH inductor in the master parts list, and a 27 is supplied, the print, parts check list, and the instructions all specify a 39 uH. So I don't have one. Anyone else have this problem? I figure I will pick up a 39 this weekend...and have a 27 left over...I did see a post saying to go ahead and put in the 27 here, but the circuit looks like a pair of tuned circuits, ( if I remember correctly) and I think I should match em. Comments? Also, I ended up setting the VCO voltages to 2.5 and 3.5 to get it to tune correctly, although I heard 2.5 for both, and the book says 3.5 for both. Anyway, it is passing all the tests fine, and I am sure it will work, but I wonder if anyone ran into these questions.

-----  
Date: Fri, 08 May 1998 19:58:57 -0700  
From: "William R. (Ray) Colbert" <af852@rgfn.epcc.edu>  
To: qrp-l@lehigh.edu  
Cc: w5xe@juno.com  
Subject: [10547] QRPp page 26 ST. LOUIS LOOP???  
Message-ID: <3553C658.76D4@rgfn.epcc.edu>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Does someone have the complete article which shows what comes before <loop, plus being.....> in the first paragraph. My copy looks like it starts in mid article just below the drawing.  
Thanks.

--  
-----  
"Politicians are like nappies. Both should be changed regularly -- and for the same reason"  
Scotsman's Diary - 1997  
-----

Ray Colbert, W5XE,  
00TC 3618, SOWP 1064M

(also w5xe@juno.com, w5xe@hotmail.com)  
El Paso, Texas (Far West Texas)

-----  
Date: Fri, 08 May 1998 19:41:14 -0700  
From: Jack Parker <Pparker@greatbasin.net>  
To: qrp-1@lehigh.edu  
Subject: [10548] Re: Ft. Tuthill?  
Message-ID: <3.0.1.32.19980508194114.006956d0@mail.greatbasin.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

At 11:44 AM 5/8/98 -0600, you wrote:  
>Bruce and others,  
>The Ft. Tuthill Hamfest is in Flagstaff, Arizona.

<big snip>

>  
>72, Paul NA5N

And for QRP'ers/Amateur Astronomers there's the Lowell Observatory. BTW,  
those of us whose eyes adapt quickly (even after one or two...or more)  
don't mind the dark :>)

Jack, W7PW

-----  
Date: Fri, 8 May 1998 21:02:25 -0700 (MST)  
From: Bob Hightower <ki7mn@dancris.com>  
To: John Evans - N0HJ <jaevans@codenet.net>  
Cc: qrp-1@Lehigh.EDU  
Subject: [10549] Re: Ft Tuthill Hamfest - QRP section  
Message-ID: <199805090402.VAA24575@user2.dancris.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

At 02:49 PM 5/8/98 -0600, you wrote:

>Bob,  
>  
> My wife and I have not decided, but if we do come, we would be tent  
>camping somewhere - we have no aversion to tent camping near RVs if

>the facilities are accomodating to tent campers. Can you talk a bit  
>about the camping area and give me your thoughts on this?? We have  
>camped at hamfests in Woodland Park and at Yellow Pines in Wyoming,  
>both of which are comfortabel environments for tent campers and RVs.  
>At Woodland Park, the tent campers are a bit segregated while at  
>the Wyoming campout, each campsite is separate as most state campsites  
>are.

>

> We are a bit limited this year in vacation time and local trips like  
>within Colorado and visits to surrounding states would be perfect for  
>us.

>

Well, we sure hope you can make it, John. The campground is just that...an area in the trees with room for tents and RV's, but no designated sites as most campgrounds might have. There is plenty of room to spread out, and we don't have any problem with generator noise, etc....the few that there will be are small and will only run during the day.

There are hot showers and a rest room for the group area only (we control the key). No water is available at the sites, but is available nearby, so you'll need a water can of some sort. Firepits are not generally available, but there is a large group pit with a barbeque pit located somewhat centrally.

Due to the number of trees, the RV's tend to stay on the fringe, and the tenters more towards the middle. There is good access, either way. The area is just West of the swap meet area, and is in easy walking distance to all the activities. A small general store is located perhaps a quarter mile from the group area, and, if needed, stores in Flagstaff are only a few miles distant.

There is an Air Force recreation area adjoining just to the South, so if you are eligible to use that, you can make reservations there (through Luke AFB, I believe), but should do so early.

Hope this is enough to entice you to come on down and join us.

72,73

Bob KI7MN Norcal 1228, QRP-L 271, ARCI 8918, CQC 274, AKQRP 30

<http://www.dancris.com/~ki7mn>

-----  
Date: Sat, 9 May 1998 00:19:52 EDT  
From: MNHopkins <MNHopkins@aol.com>  
To: QRP-L@Lehigh.EDU  
Subject: [10550] Re Receivers -- Get an HQ

Message-ID: <18e8018f.3553d969@aol.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

(I sent this post to the Boatanchors, that bastion of Collins Orthodoxy, by mistake -- or by Freudian mispost)

Best RXs of old were the Hammarlunds and best of all was the HQ-170. Triple conversion is trouble fraught, but they pulled it off and the 60kc IF can slice a Saturday night Novice band. Genreal converage 180 not as good for several reasons.

The Hammarlunds evolved over decades, from the Comet Pro of the '30s. You get Mercedes level evolution for a foolishly market devalued price. The big chassis is easy to work on and the "bad transformer" problem, if it exists, can be fixed in the time it takes just to get inside a R-390. NC-400? Naw, if you have the chance and a truck to haul it, get a JP-600. It is noteworthy that Ade Weiss, the QRP Guru, used a JP-600 -- must have looked funny with a two transister TX on top.

73 de ab5L, michael in dallas, student of Tecraft and International (ICM) ham products and mementoes of Six Meters' Golden Age: 1957-58  
Michael Hopkins  
Box 226841  
Dallas, TX 75222 MNHopkins@AOL.com

-----  
Date: Sat, 9 May 1998 00:32:06 -0400 (EDT)  
From: Richard Brittingham <rbritt@visi.net>  
To: Frank Kienast <fgk@iquest.net>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [10551] Re: Voltage at Ends of Dipole  
Message-ID: <Pine.GS0.3.96.980509002944.8386C-100000@ankara.visi.net>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

RF burns feel like getting a large electric shock. Not heat type burns. I was working on a Coast Guard cutter HF antenna and had tagged out the radio. Somehow there was a remote control that activated the transmitter. 1 KW does not feel nice at HF. It scared me since I thought it could not

operate and did smart for a couple of days.

73

-----  
Amateur Radio Operator as WD4AEF for 22 years  
Now Vanity Call is W4MCD

-----  
Date: Sat, 9 May 1998 01:06:10 EDT  
From: SNickrand <SNickrand@aol.com>  
To: qrp-1@Lehigh.EDU  
Subject: [10552] Capacitor ID'ing and Substitution Question  
Message-ID: <682785b4.3553e443@aol.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

Although the knowledge I am seeking will translate to improving my "ham skills", the particular repair I am trying to accomplish is on a metal detector. Bought used, it had an invoice for a repair which identified the replacement parts. Here are my questions:

1. Capacitor--rectangular in shape, yellow in color, sharp, not rounded edges,  
with the numbering "220n" and below that "63-". On the repair invoice they  
replaced a "CAP RD MYLR 5% 63V .22 uF". So does this mean that the capacitor is a mylar?
2. If so, is a mylar known by any other name. I couldn't find a mylar in either  
mouser or tech america.
3. What type of capacitor is suitable to replace it with? Disk, silver mica,????
4. I also have some other rectangular caps ( a ".01J", a ".01K", a '10nJ100"). Are  
these mylars also? what would be suitable replacements if I couldn't find  
indentical replacements?
5. Next, I have a cap with the number of ".01K100". It has rounded edges,  
is  
about twice as tall as it is wide---and it is about twice as wide as it

is thick.

It is orange in color, with a shiny plastic (or epoxy?) outer coating. It looks like

a flattened "tic tac candy". I believe that this coincides with a repair invoice

notation, in which a "CAP RD MYLR 100V .01uF" was replaced. Although it is shape differently than the first component, it appears to be a mylar. Same

question---what would be a suitable replacement?

6. The next and last one is a cap that has the same shiny coating, but green in

color--slightly different dimensions, more like a "chiclet" chewing gum piece.

with the notation ".1K 100v". Is this a mylar, what is a good substitution?

7. If mylar is correct, and it is not recommended to substitute a different type of

cap, where can mylars be purchased?

Thus ends my questions. Thank you and thank all--in advance--for taking the time to answer my questions. This device is a Garrett metal detector, 20 years old, garage sale special. It worked for 30 minutes, and then just started howling at constant volume, whenever it was tuned on. The repair guy at Garrett gave me some guidance, which didn't work, so I figure I can replace every component, if need be, for under \$25. But first I am going to draw up a schematic by tracing foil patterns and try and trouble shoot it from that schematic ( the way I usually have to after building a QRP rig. So, I am going to have know more about capacitors before tackling this. Once again, thanks for the help. Bill

-----  
Date: Fri, 8 May 1998 23:10:56 -0600

From: wa5whn@juno.com

To: qrp-1@Lehigh.EDU

Subject: [10553] Re: Ft. Tuthill ?

Message-ID: <19980508.231101.14510.0.wa5whn@juno.com>

Now I know what we were missing last year, the belly dancers.

First, if it were not for N7KT there would not be any campground available last year @ Ft. Tuthill. Thanks Roger. Most of the gafawing {laughter} was coming from the excellent QRP sessions @ Ft. Tuthill. We are a noisy bunch. The QRP-ARCI {The one with the large QRP-ARCI banner}



booth had several antenna kits being sold, plus KI7MN's SLV mounted on top. Fun ? Heck yes.

The QRP-ARCI booth had the likes of W5VB0, AB7TT, N7XJW, plus there was always a large crowd surrounding the booth. Lots of qrp demo rigs.

If I remember correctly, those with tents camped on the west side of the camp area, and those with trailers & RVs were on the east side, close to the shower {yes only 1, and bring your own towel/soap} & flea market swap area. Lots of pine trees to hang antennas in. Word of caution, there is an open RV park north of us, which is full of QRO types. I just happen to know some of those people personally. Those RVs are equipped with 1KW stations. Those poor NE602 mixers.

There are portable chemical toilets at the campsite. Bring a flashlight.

The informal qrp talk in frequency was 146.46 MHz FM simplex last year. The Official Ft. Tuthill hamfest talk in frequency is the 146.98 MHz repeater {-, pl 100 Hz}.

Kent Torrell & I had found this cute little scorpion under the steps to the shower last year. OK, so it {scorpion} was not so cute. The humor meter is usually pegged. Warning: this is a group that believes in fun. We get to play in the bumble bee contest on the way home too. If you don't like fun, stay home, if you don't like good friends, stay home. You don't want to camp out @ Ft. Tuthill, there are some reasonable motels {call now, because it is the middle of the tourist season in July} in Flagstaff. Paul & I must have heard the same number last year around 5,000 in attendance. I have been there when the attendance was over 7,000 just a few years ago.

Check the KI7MN {<http://www.dancris.com/~ki7mn/>} URL regularly, because Uncle Bob will post a map to the place.

If you just happen to have a GPS receiver;

latitude: 35 degrees 08.423 minutes north  
longitude: 111 degrees 41.775 minutes west <---- QRP campsite @ Ft.  
Tuthill

Uncle Bob, count me in, party of 1.

72,...Jay, WA5WHN DM65qd Albuquerque, NM USA

-----  
You don't need to buy Internet access to use free Internet e-mail.  
Get completely free e-mail from Juno at <http://www.juno.com>  
Or call Juno at (800) 654-JUNO [654-5866]

-----  
Date: Fri, 8 May 1998 22:20:26 -0700 (PDT)  
From: Monte Stark <ku7y@dri.edu>  
To: Paul Harden <pharden@aoc.nrao.edu>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [10554] Re: The 'OLGA'  
Message-ID: <Pine.SOL.3.96.980508221938.23406A-100000@vortex>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 8 May 1998, Paul Harden wrote:

>  
>  
> On Fri, 8 May 1998, Dick G0BPS wrote:  
> > >bet the ARCI Banquet won't have an "Olga."!  
> >  
> > I could bring my wife... ((:^)  
>  
> Ooooh! I'm saving this one on a floppy backup. Gotta be ten years  
> worth of blackmail out of a statement like that!  
>

Me too. And I know where I'm staying when I go to England! :-)

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@sage.dri.edu.....Washoe Lake, Nevada.....  
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

-----  
Date: Fri, 08 May 1998 22:46:12 -0700  
From: Bruce Grubbs <bog@flagstaff.az.us>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [10555] Re: Ft. Tuthill?  
Message-ID: <3.0.5.32.19980508224612.0095e1c0@mail.infomagic.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

There's a summary of the next Ft. Tuthill Hamfest at our local club web site:

<http://www.qsl.net/ccarc/tuthill.html>

Paul, thanks for the kind words about my home town. And good guess-  
Flagstaff's populations is officially 52,000 last time I checked.

72

Bruce, N7CEE

email: bog@flagstaff.az.us

Coconino ARC  
AZ ScQRPions  
QRP ARCI #5883  
Adventure Radio Society #344  
"Minimal Means... Maximum Fun"

-----  
Date: Fri, 8 May 1998 22:54:00 -0700 (PDT)  
From: Monte Stark <ku7y@dri.edu>  
To: Marshall Emm <mgemm@ntechnologies.com>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [10556] Re: ARRL & QRP  
Message-ID: <Pine.SOL.3.96.980508223343.23438B-100000@vortex>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 8 May 1998, Marshall Emm wrote:

> Hi, Ron es gang--  
>  
> >>So I guess the real question is.... if the establishment  
> thinks the two modes are equal, why do we want to give  
> SSB a 3 db advantage in a contest?  
> <<  
>  
> Well, what's an establishment?

I was meaning the FCC.

But the real issue isn't anything to do with right, wrong or anything like that.

It's just a simple question of what's wrong with the way things are?

Every contest has different rules. Every award has different rules.

Going from 5W PEP to 10W PEP is 3db. One half of one S unit.

I doubt that that will be enough to bring someone into QRP!

I "vote" to let the sponsors set the rules how ever they want them.

cul,

73, Ron,       SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@sage.dri.edu.....Washoe Lake, Nevada.....  
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

-----  
Date: Fri, 08 May 1998 23:30:19 -0700  
From: Monte Stark <ku7y@dri.edu>  
To: QRP-L <qrp-l@Lehigh.EDU>  
Subject: [10557] Info about the Quarterly  
Message-ID: <3553F7FB.5FA727AB@dri.edu>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi,

Sorry for the BW but someone asked me for the cost and subscription about the QRP ARCI Quarterly/membership.

I managed to delete the message while replying and now I have no idea who it was!!

Who ever you are, please ask me again!! :-)

--

73, Ron, KU7Y

NRA Life-----Ex W6JX0, DL4RF, N7CRV-----SOWP #5545-M  
QRP ARCI #8829----NorCal #330----QRP-L #17-----ARS #49  
AR QRP #150-----DM09cg-----New Washoe City, NV

-----

Date: Sat, 09 May 1998 00:21:35 -0700  
From: Monte Stark <ku7y@dri.edu>  
To: QRP-L <qrp-l@Lehigh.EDU>  
Subject: [10558] A Picture of Me??  
Message-ID: <355403FF.C42E60CD@dri.edu>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

If anyone really wants to do it, you can see a picture of me sitting at the operating position. It's part of the NCJ home page at:

<http://www.waterw.com/~ncj/>

Click on the Whit's Inside button and then on me.

Be sure you are sitting down..... :-)

--

73, Ron, KU7Y

NRA Life-----Ex W6JX0, DL4RF, N7CRV-----SOWP #5545-M  
QRP ARCI #8829----NorCal #330----QRP-L #17-----ARS #49  
AR QRP #150-----DM09cg-----New Washoe City, NV

-----

Date: Sat, 9 May 1998 07:31:24 +0100  
From: Dick G0BPS <g0bps@kanga.demon.co.uk>  
To: qrp-l@Lehigh.EDU  
Cc: G3RJV@gqrp.demon.co.uk  
Subject: [10559] Dayton: New Kits Advert - G-QRP CLUB  
Message-ID: <pcPXpDA8g\$U1Ew42@kanga.demon.co.uk>  
MIME-Version: 1.0

Hi Gang,

This is a BLATANT advert....

If you don't like adverts hit the delete button now.

We have never done this before and MAY do it next year.  
BUT only once a year prior to Dayton..

**\*\*..NEW KITS AT DAYTON..\*\***

The G-QRP club announce several new kits for the FDIM and the HamVention

The first is the G3RJV Six Pack.

First seen in the QRP ARCI QQ Magazine this is a complete project with six units on six PCB's. The PCB's are provided FOC as part of the FDIM Technical Conference for those attending. A full kit of parts is available from George Dobbs G3RJV following the conference during the Thursday evening and most evenings after that. They will also be available at the Arena. The cost of the full component Pack is just \$20.

The six units are...

1, The G3RJV 'Plug 'n Play' Transmitter, a reworking of the famous W7ZOI Universal Transmitter. Better LPF, Full Break-in and a VXO! Parts in the kit are for 40m only.

2, The 'Quick Receiver' A great very simple Rx that is simple to build With full instructions in English ! :-)

3, The 'LED Standing Wave Indicator' From GOWQR this resistive SWR bridge works. Using a 'super bright LED it glows when dissipating power levels of 10 uA or less! As the antenna is tuned for low SWR the LED goes out! A great little unit for the backpacker.

4, A 'Diode Probe' What every builder should have on his bench. This unit is easy to build and is easy to use. A MUST for every homebrewer.

5, The 'Voltage Monitor' Using an LM3914 driving a set of 10 LED's we can see the voltage of our PSU at a glance.

6, Finally a simple 'Crystal Checker' Check if the crystal works! If the crystal works the LED glows. There is also a frequency measuring facility too. Neat Eh... !!!

For those who don't get the PCB from the Conference we can supply the Components and the PCB's for just \$30.

And from KANGA .... we have the following new ones..

A simple Audio 'S' meter kit, ideal for those homebrew rigs, a great kit that includes the meter! for just \$15.

The CTCSS kit doesn't use a PCB. It is designed to be built 'ugly style' (Don't know what that is! come and see Dick at the Tech Conf, Thursday) The CTCSS kit provides all the usual tones for just \$30.

The Stockton Power Meter is now on a ONE INCH PCB !!!!! Yup we did it, and it is great for the milli-watt user. FSD at 200mW!!! Just \$30

Lots, Lots more too, see us at the Vendors nite at DIS.

Finally if you can't make it to Dayton, The 6-Pack and all other kits will be available after Dayton, email me for details. I am flying out on 11th, back on 25th May into the UK. Holiday with the boss 15th June till 5th July too.

Finally, apologies for the bandwidth, This is our one shot for the year. We gotta pay for the air fare somehow.... This year, it's \$650.00 each.

TTFN de ..

--

Dick Pascoe G0BPS

Kanga Products

Seaview House, Crete Road East

Folkestone CT18 7EG U.K.

Tel 44 (0) 1303 891106

<http://www.kanga.demon.co.uk>

-----  
Date: Sat, 09 May 1998 07:06:54 -0500

From: Chuck Carpenter <w5usj@webwide.net>

To: qrp-1@Lehigh.EDU

Subject: [10560] Re: DX versus RX?

Message-ID: <3.0.1.32.19980509070654.006973e8@mail.webwide.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

> in 1961, the ARRL published a really neat booklet for us new operators with  
>lists of CW abbreviations... It's too bad that old booklet isn't still  
published.

>I think it was titled "Operating an Amateur Radio Station."

The modern version is "The ARRL OPERATING MANUAL" (their caps). It's no longer a booklet and it is \$25 bucks. There is a lot of stuff in it describing most anything you would need to know about getting started with any mode of operation. I got one to refresh my "data banks" and get familiar with what's new (to the ARRL).

72/73 -- Chuck, W5USJ, EM22cv  
Rains County, Eagle Capitol of Texas  
ARCI # 5422, QRP-L # 1306, FISTS # 3984

-----  
Date: Sat, 9 May 1998 08:35:15 EDT  
From: Wb4jjj <Wb4jjj@aol.com>  
To: qrp-l@Lehigh.EDU  
Subject: [10561] Gel Cells Redux  
Message-ID: <6228b2bb.35544d84@aol.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

I recently bought 2 used 12v, 7 ah Panasonic gel cells from All Electronics and a charger kit from A & A Engineers (Their Smart Charger with UC3906 chip) to give me TTF capabilities for my SW 40+, Tick Keyer, RS antenna, etc.

Have studied the QRP-L archives, and still don't understand what I have gotten myself into! Here's the problem:

Batteries came with 10.7 and 11.5 volt charges on them. Charger kit went together OK (despite instructions being a bit vague with some handwritten changes) and delivered 22.8 volts, no load when turned on. No smoke, and pilot light comes on. Attached to batteries, but after 10 days or so, neither battery (I alternate them depending on how despondent I've become :^ ( ) has hit 14.4 volts, or the 13.8 volt threshold when the light is supposed to come on and the overcharge cycle begin.

The heatsinked TIP42 transistor has stayed ice cold (it's heatsinked, so I should be able to feel the warmth, hi!). And the batteries have moved up in charge to 11.48 volts and 12.39 volts, respectively. But I think it is trickle charging them, not bulk charging them. And the batteries have slowed way down in their charge...now only increasing about a couple of hundredths of



a volt per day.

Is it doing some kind of conditioning on these batteries that I don't understand? Or is the circuit just not working? I will cost me \$35 for them to look at it, and the instructions say clearly there is no way to test it other than in charging a battery. No voltages to measure are given in the instructions, etc. The batteries are holding the charge it has given them...but don't seem to want to go beyond their present levels. Test gear and brain width here are a bit limited, which doesn't help either. Maybe the batteries are bad...but they don't seem to be.

Can anyone give me ideas or suggestions? I'd appreciate it greatly. Please reply off line unless the post is broadly helpful. Thanks...

Alan A. Wheeler, WB4JJJ  
Fairfax, Virginia

P.S., the SW 20 + is working great. I followed Chuck Adam's faster track and got it on the air. Lots of contacts, great reports.

-----  
Date: Sat, 9 May 1998 08:46:13 -0400  
From: kf2ew@juno.com (David M Kopacki, Sr.)  
To: vferme@sprint.ca  
Cc: qrp-l@Lehigh.EDU  
Subject: [10562] Re: Low speed CW bandwidth.  
Message-ID: <19980509.084923.11702.1.kf2ew@juno.com>

The band width is approximately 4 times the CW speed; Extra Class Study Guide, Pp. 8-10 to 8-11.

On Tue, 5 May 1987 22:58:26 -0400 "Vincent Ferme" <vferme@sprint.ca> writes:  
>Gang,  
>  
>Some time ago when reading about coherent CW, the author of the text  
>said  
>that the bandwidth used by a cw signal is proportional to the code  
>speed. Is  
>this correct or I misunderstood what he was saying? If correct, could  
>you  
>give me an idea of the BW when speeds of for example 10 and 20 wpm are  
>used?  
>  
>LowFer experimenters send automated cw so slow they do not use wpm but  
>dits and dahs per hour when referring to speed, to read code, software

>is  
>used  
>and the dits and dahs shown on a computer screen.  
>  
>Thanks for the help.  
>  
>73/72 de Vince, VE3VFN.  
>  
>  
>

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Or call Juno at (800) 654-JUNO [654-5866]

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Date: Sat, 09 May 1998 08:14:13 -0500  
From: Chuck Carpenter <w5usj@webwide.net>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [10563] CW vs SSB Power  
Message-ID: <3.0.1.32.19980509081413.00693b20@mail.webwide.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

I recall from somewhere that SSB signals are considered to be an average  
50% duty cycle (e.g., two-tone testing). Therefore, 10 W PEP SSB equals 5  
W CW 8^)...

72/73 -- Chuck, W5USJ, EM22cv  
Rains County, Eagle Capitol of Texas  
ARCI # 5422, QRP-L # 1306, FISTS # 3984

---

Date: Sat, 09 May 1998 09:29:31 -0400  
From: macstein@cftnet.com (Mac Steinmeyer)  
To: qrp-l@Lehigh.EDU  
Subject: [10564] Weak Signal Sending  
Message-ID: <199805091337.JAA12697@renoir.cftnet.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hi all,

Well, I've been at this a while now. The list is worth wading through. I have a NorCal40a putting abt 1.2 watts through a ZM-2 into an attic dipole here in the deed restricted flat lands of central Florida. My question is twofold, regarding my setup and my sending.

We've all experienced op's who don't "hear" well and also ops who will dig through the noise for those "premenition" sigs -- shadow sigs that aren't quiet there yet are. I believe I can optimize my setup and persevere to work all the states and beyond. I'm experimenting with stealth wire outside, but so far the dipole wins. I'm patient and hear pretty well. Last night in the Novice band (I'm a Tech+) the whole west coast, 6's and 7's, was 589 to me, S5-S8.

BUT... I want to do all I can to help THEM hear. I do double sends of name, RST and QTH. I do triple if they continue with "sri vry weak ???" My KC-1 is set at 18 wpm, and I space the letters out to whatever speed the other op is sending (up to abt 13 now) Is Farnsworth sending easier to copy thru the noise with weak sigs or would slower, longer tones help them more? It seems that faster (shorter spacing) would work better between the static bursts, but here I'm talking about being down in the hiss ALL the time. Again, I'm experimenting.

I ask, because the guy last night, AC6JU seemed to really be trying to dig for me, and as you know I wanted it BADLY. I'd appreciate opinions and suggestions.

-Mac-

73/72 KF4KSM                      Grid Sq: EL88rd  
email: macstein@cftnet.com

-----

Date: Sat, 9 May 1998 10:06:20 -0700  
From: ke3fl@juno.com  
To: qrp-l@Lehigh.EDU  
Subject: [10565] New Links from my home page & some news  
Message-ID: <19980509.100623.8870.0.ke3fl@juno.com>

Just to let you know you can now get to the Adventure Radio Homepage & it's Sojourner Monthly Newsletter via the KE3FL homepage located at:  
<http://www.qsl.net/ke3fl>  
New links are added almost every month, sometimes every week :)  
so if you haven't checked in recently you will find something new.

Hope you've all been having QRP fun. I started a new job & haven't had

much air-time or even time to check the QRP-L for that matter. Perhaps this will change & I'll be able to catch up on weekends. :)

72 & 73 de KE3FL  
Phil K

e-mail: ke3fl@juno.com  
Web: <http://www.qsl.net/ke3fl>

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Date: Sat, 09 May 1998 07:06:27 -0700  
From: Bill Todd <bill@willapabay.org>  
To: Ed Loranger <we6w@qsl.net>  
Cc: nwq-l@scn.org, qrp-l@Lehigh.EDU  
Subject: [10566] Re: New NWQRP Contest  
Message-ID: <1.5.4.32.19980509140627.007082cc@willapabay.org>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

At 06:44 PM 5/8/98 +0000, you wrote:

>This sounds Great Bill!

>

>Names? (No particular order of preference)

>NWTT -- North West Time Trial <===== My Favorite.

Hi Ed -

Good names! I like this one, and I think I will incorporate this into the name, but right now, I have to say that the "NERDS" ("Normalized Expedient Radiator Designer's Sprint") from Joe, has to be the name with the upper hand.

So, we'll call it the NERDS contest, the NW QRP Club's "Time Trial" in-the-field antenna building and erection contest. Participants in this time trial are allowed one hour before the start of the contest, to build a wire antenna.

Kinda catchy! We might even snag some of the QRO folks on this one.

Alan, KB7MBI and I are working on a date - probably in mid September. More later.

CUL, Bill-N7MFB

<http://www.willapabay.com/~bill>  
ICQ me at #8926298

-----  
Date: Sat, 9 May 1998 10:39:54 -0300  
From: "Prof.Arnaldo Coro Antich" <inforhc@mail.infocom.etcusa.cu>  
To: <qrp-l@Lehigh.EDU>  
Subject: [10567] RE: Weak signal sending  
Message-ID: <01bd7b4f\$f3303ea0\$LocalHost@luis>  
MIME-Version: 1.0  
Content-Type: multipart/alternative;  
boundary="-----\_NextPart\_000\_0040\_01BD7B36.CDE306A0"

This is a multi-part message in MIME format.

-----\_NextPart\_000\_0040\_01BD7B36.CDE306A0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable

KF4KSM Mac brings in a very interesting subject to the QRP-L  
For example:  
Under heavy random noise , like summer static crashes on the 7 mHz  
band, copying CW is extremely difficult, and becomes more difficult  
it you are dealing with weak signals.  
My approach is to SLOW DOWN to about 10 wpm, space the letters  
and figures a little longer than usual, and use communications  
theory to its best: redundancy...  
Sending the RST 5 times at 10 wpm with good spacing is sure to  
make it through the QRN !!!  
Everyone must agree that under difficult propagation conditions,  
heavy QRN and perhaps QRM too, the one thing to do is to try  
to complete the exchange necessary for a QS0... to my understanding  
that includes, complete callsigns and a signal report...  
anything more is good, but you really don't need it to count as a QS0.  
72 and good QRP DX, even on 7 mHz around 7040 kHz during  
a night full of thunderstorms !!!

Arnie  
C02KK  
Arnie Coro C02KK  
Host of Dxers Unlimited  
Radio Havana Cuba

e-mail : inforhc@mail.infocom.etecsa.cu  
phone: 53-7-814243  
phone res: 53-7-301794  
Postal address  
Arnie Coro  
Dxers Unlimited  
Radio Havana Cuba  
Po Box 6240  
Havana  
CUBA 10600

-----=\_NextPart\_000\_0040\_01BD7B36.CDE306A0

Content-Type: text/html;

charset="iso-8859-1"

Content-Transfer-Encoding: quoted-printable

<!DOCTYPE HTML PUBLIC "-//W3C//DTD W3 HTML//EN">

<HTML>

<HEAD>

<META content=3Dtext/html; charset=3Diso-8859-1 =

http-equiv=3DContent-Type>

<META content=3D'"MSHTML 4.71.1712.3"' name=3DGENERATOR>

</HEAD>

<BODY bgColor=3D#ffffff>

<DIV><FONT color=3D#000000 size=3D2>KF4KSM Mac brings in a very =  
interesting subject=20

to the QRP-L</FONT></DIV>

<DIV><FONT color=3D#000000 size=3D2></FONT><FONT size=3D4>For =  
example:</FONT></DIV>

<DIV><FONT size=3D4>Under heavy random noise , like summer static =  
crashes on the 7=20

mHz</FONT>&nbsp;</DIV>

<DIV><FONT size=3D4>band, copying CW is extremely difficult, and becomes =  
more=20

difficult</FONT>&nbsp;</DIV>

<DIV><FONT size=3D4>it you are dealing with weak =  
signals.</FONT>&nbsp;</DIV>

<DIV><FONT size=3D4>My approach is to SLOW DOWN to about 10 wpm, space =  
the=20

letters</FONT>&nbsp;</DIV>

<DIV><FONT size=3D4>and figures a little longer than usual, and use=20  
communications</FONT>&nbsp;</DIV>

<DIV><FONT size=3D4>theory to its best: redundancy...</FONT>&nbsp;</DIV>

<DIV><FONT size=3D4>Sending the RST 5 times at 10 wpm with good spacing =  
is sure=20

to</FONT>&nbsp;</DIV>

<DIV><FONT size=3D4>make it through the QRN !!!</FONT>&nbsp;</DIV>

Just wanted to let you know I listened for the net Saturday, but could not copy anything. The QRN here was fantastic and there were several stations on frequency, but couldn't copy anyone or anything solid because of the noise. Crashes were up around S 7 and the rain is still 150 miles away. By this

afternoon, everything will be impossible on 40 meters, much less QRP signals.

We'll try again, but next week we'll be out of town.

72/73 Mark

---

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Date: Sat, 09 May 1998 10:40:34 EDT  
From: penzo@juno.com (Michael A Penzo)  
To: qrp-1@Lehigh.EDU  
Subject: [10569] Elmer 101: Late VFO question  
Message-ID: <19980509.092552.10439.0.penzo@juno.com>

I just completed the VFO and I was wondering, is there any valued added if I paint L1 with clear nail polish? Would it add any mechanical and/or frequency stability to the VFO?

73,  
Mike, KT4FJ  
Stafford, VA.

---

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Date: Sat, 09 May 1998 10:56:51 -0400  
From: Ed Tanton <n4xy@att.net>  
To: SNickrand@aol.com  
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [10570] Re: Capacitor ID'ing and Substitution  
Message-ID: <3.0.5.32.19980509105651.00b5c610@postoffice.worldnet.att.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hi Bill...



>  
>1. Capacitor--rectangular in shape, yellow in color, sharp, not rounded  
>edges,  
> with the numbering "220n" and below that "63-". On the repair invoice  
>they  
> replaced a "CAP RD MYLR 5% 63V .22 uF". So does this mean that the  
> capacitor is a mylar?

This is a mylar or equiv. as you thought.

>2. If so, is a mylar known by any other name. I couldn't find a mylar in  
>either  
> mouser or tech america.  
>3. What type of capacitor is suitable to replace it with? Disk, silver  
>mica,????

You can use 'metalized polyester' for example... and I would ONLY use  
another mylar or met. poly. AND I would step the voltage to 100 or 200.

>4. I also have some other rectangular caps ( a ".01J", a ".01K", a  
>'10nJ100"). Are  
> these mylars also? what would be suitable replacements if I couldn't  
>find  
> identical replacements?

These sound more like bypass caps than mylars, but it's difficult to say  
with only that description.

>5. Next, I have a cap with the number of ".01K100". It has rounded edges,  
///snip  
> It is orange in color, with a shiny plastic (or epoxy?) outer coating.  
///snip  
> notation, in which a "CAP RD MYLR 100V .01uF" was replaced.  
Although

This is the proverbial orange drop cap... which should be replaced with  
another orange drop. If Mouser doesn't have them, look at Digikey. Again,  
if you're replacing for cause (e.g. failure) I'd step up the voltage to 200.

>6. The next and last one is a cap that has the same shiny coating, but  
green  
>in color--slightly different dimensions, more like a "chiclet" chewing gum  
>piece with the notation ".1K 100v". Is this a mylar, what is a good  
substitution?

The 'chiclet' cap is another mylar form, and can be replaced with another,  
or an orange drop, or metalized polyester.

>7. If mylar is correct, and it is not recommended to substitute a  
different  
>type of cap, where can mylars be purchased?  
>

As far as I know, mylars can be replaced with metalized polyester in  
virtually any application. (There are some specialized uses where the mylar  
is specifically made to work better at higher freqs [for switching power  
supplies/etc.] but for the most part, that statement is true. I would stick  
to orange drops for orange drops, and use metalized polyester elsewhere.  
Several of the surplus dealers have certain mylar values (Dans, Electronic  
Goldmine, All Elec.) and I think at least one of them has chiclets (Elec.  
Gold.) I'd prefer metalized poly. myself-IF it will fit in the area  
provided.  
73

-----  
Ed Tanton N4XY EMAIL: n4xy@att.net  
189 Pioneer Trail  
Marietta, GA 30068-3466 TEL: (770)579-3933 V/MBX/FAX

-----  
INTERESTS: QRP BoatAnchors Test Equipment Photography  
CW: 99.9% Mercury Paddle # 0214 QRP to 150W: 95%

~~~~~  
"Think you can, think you can't: either way you're right!" Henry Ford
~~~~~

-----  
Date: Sat, 9 May 1998 09:10:36 -0600 (CST)  
From: Bruce Rattray <rattray@gpfn.sk.ca>  
To: Dick G0BPS <G0BPS@kanga.demon.co.uk>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [10571] Re: The 'OLGA'  
Message-ID: <Pine.SOL.3.91.980509090824.10063A-100000@GPFN1.GPFN.SK.CA>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

OK!...we have Dick right where we want him....oh boy, this is going to  
cost him dearly...HI HI....all we have to do is figure a way to  
communicate with his wife and 'bingo' we have him at our mercy!!...sri  
Dick, couldn't resist this one...HAR!.... ;- ) 72 - Bruce(VE5RC)

-----  
Date: Sat, 9 May 1998 11:29:28 -0400 (EDT)  
From: Bob Patten <n4bp@bc.seflin.org>

To: QRP-L Reflector <qrp-l@Lehigh.EDU>  
Cc: Kevin Bunin <p014455b@pb.seflin.org>, Bruce Phegley <brucep@atachan.com>, Markus Hammelmann <markus@wg104a.wh.uni-stuttgart.de>  
Subject: [10572] N4BP Web Page  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Finally got around to updating my web page..  
Added several pix from DXpedition to C6A for the ARRL DXCW Contest in February and from the Florida QSO Party. URL in sig line below...

73,

Bob Patten, N4BP ( 0 0 ) Plantation, FL

-----o00o-( )-o00-----

E-Mail: n4bp@bc.seflin.org  
Web Page: <http://wg104a.wh.uni-stuttgart.de/~n4bp>  
Brass Pounder BBS: (954) 472-7715

-----  
Date: Sat, 9 May 1998 11:43:05 EDT  
From: Shephed <Shephed@aol.com>  
To: qrp-l@Lehigh.EDU  
Subject: [10573] Dayton Weather Update  
Message-ID: <e02a3e8.3554798a@aol.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

Gang,  
The latest weather forecast shows Fridays weather as cloudy with a high of 76.  
The local forecasts have been pretty accurate so for now it's looking good.

Monday I should have a good picture for the weekends weather.

72, 73  
Dan, N8VZU

-----  
Date: Sat, 9 May 1998 11:33:56 -0400 (EDT)  
From: Richard Brittingham <rbritt@visi.net>

To: Jerry Parker <jparker@fix.net>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [10574] Mistake in Octopus URL  
Message-ID: <Pine.GS0.3.96.980509113127.12994B-100000@ankara.visi.net>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Sorry fellow Qrp buddies. I typed the url wrong for the address.

Its [www.btinternet.com/~g4wif/gqrp.htm](http://www.btinternet.com/~g4wif/gqrp.htm)

I typed .html at the end by mistake

Thanks for letting me know!

73  
Richard W4MCD

-----  
Amateur Radio Operator as WD4AEF for 22 years  
Now Vanity Call is W4MCD

-----  
Date: Sat, 9 May 1998 12:21:45 -0400  
From: Willie Martin <71052.134@compuserve.com>  
To: QRP-L <qrp-l@Lehigh.EDU>  
Subject: [10575] Toroid Tap  
Message-ID: <199805091221\_MC2-3C79-E396@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: quoted-printable  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Disposition: inline

I have receive a lot of valuable information from the message traffic on the list. Thanks to all. Usually I will have a question and then the answer appears before I can ask. =

My question is. What is the best way to wind a "TAP" on toroids? I usually make a small loop and then run a short wire to the PCB. Is there a simpler method? Trying to improve my kit building skills.

Willie C. Martin, KE6DKH

-----  
Date: Sat, 09 May 1998 12:31:11 -0400  
From: Jim Dolson <jdolson@iserv.net>  
To: qrp-l@Lehigh.EDU  
Subject: [10576] Mobile/Handicapped CW Using Voice "Di-Dah" Converter ???  
Message-ID: <355484CE.3EB5@iserv.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

OK, lets all stretch our memories ...

One or two years ago on QRP-L someone mentioned that they had designed a circuit to convert sound to code. Basically, the person would say "dah dit dah dit" and the circuit would key based upon the presence and duration of the sound being spoken. It was either used for mobile cw operation or for use by a handicapped person who did not have the use of their hands.

Does anyone recall this? I've checked my archived list of qrp-l but have not found it. I'm sure it was here since I don't follow any of the other ham related news groups or e-mail lists.

Thanks!

Jim  
wb8zbd  
jdolson@iserv.net

-----  
Date: Sat, 9 May 1998 11:49:56 -0500  
From: "Rud Merriam" <rmerriam@csi.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [10577] Re: A Picture of Me??  
Message-ID: <199805091657.MAA17911@hil-img-ims-5.compuserve.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Strange key you are using for CW.

Rud Merriam KD5DTV  
6m SSB/CW  
rmerriam@csi.com

-----  
> From: Monte Stark <ku7y@dri.edu>  
> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
> Subject: A Picture of Me??  
> Date: Saturday, May 09, 1998 2:21 AM  
>  
> If anyone really wants to do it, you can see a picture of me sitting at  
> the operating position. It's part of the NCJ home page at:  
>  
> <http://www.waterw.com/~ncj/>  
>  
> Click on the Whit's Inside button and then on me.  
>  
> Be sure you are sitting down..... :-)  
>  
> --  
> 73, Ron, KU7Y  
>  
> NRA Life-----Ex W6JX0, DL4RF, N7CRV-----SOWP #5545-M  
> QRP ARCI #8829----NorCal #330----QRP-L #17-----ARS #49  
> AR QRP #150-----DM09cg-----New Washoe City, NV  
>

-----  
Date: Sat, 09 May 1998 13:25:38 EDT  
From: sigcom@juno.com (Stephen M Smith)  
To: qrp-l@Lehigh.EDU  
Subject: [10578] HELP: Triplet VOM  
Message-ID: <19980509.045513.7455.0.sigcom@juno.com>

Group,

I discovered a (new-speak) "legacy" (old school: boat anchor) Triplet model 625-NA multi-meter (circa 1948!) in a box at the shop and I'd like to use it on the ham bench. Unfortunately, I can't identify the two battery types it uses for the Ohms ranges.

(Yeah, I know I could fool around with a variable power supply and figure it out, but today I'm lazy.)

Anybody out there know what this beast takes for batts.? Thanks.

73.....Steve, WB6TNL Oxnard, CA QRP-L #621 NorCal #2065 ex-WN6TNL  
(1967)

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Date: Sat, 9 May 1998 11:40:57 -0600  
From: "Marshall Emm" <mgemm@mtechnologies.com>  
To: macstein@cftnet.com (Mac Steinmeyer), qrp-l@Lehigh.EDU  
Cc: cqcm@mtechnologies.com  
Subject: [10579] Re: Weak Signal Sending  
Message-ID: <199805091740.LAA25846@edison.chisp.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT

>>other op is sending (up to abt 13 now) Is Farnsworth sending  
easier to copy thru the noise with weak sigs or would slower, longer  
tones help them more? It seems that faster (shorter spacing) would  
work better between the static<<

I go both ways on that. In THEORY, the other op should tell you what  
to do, e.g. QSZ 2 or QRS 12 or whatever, but in practice I don't  
think I've ever heard anything but a very rare PSE QRS or PSE QSZ,  
the latter being almost unheard of these days.

When I'm in the receiving position I think I generally prefer  
multiple repeats at a normal speed-- often write down a couple  
letters and then fill in or correct on the repeats. But slowing the  
character speed down will sometimes work too. Slowing down by adding  
spaces has NO effect.

FWIW my general practice in sending is to note the signal report I've  
been given, and do repeats if readability is 3 or less.

73  
Marshall Emm  
N1FN/VK5FN  
n1fn@mtechnologies.com

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End of QRP-L Digest 1086

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